

Orange Research

140 Cascade Boulevard, Milford, Connecticut 06460
203 877-5657 800 989-5657 Fax: 203 783-9546
www.orangeresearch.com

Product specifications for model 2500, Alum, Brass & SS

Functions	Flow Gauge, Flow Gauge/Switch
Sensor type	<u>Primary</u> : Orifice <u>Secondary</u> : Diaphragm
Standard Ranges(GPM)	<u>2510</u> : 5,10 <u>2520</u> : 15,20,30,40 <u>2530</u> : 50,60,75,100,150,200
Max. line pressure	500 psig
Min. burst pressure	1500 psig at 200°F
Standard maximum temperature	<u>Gauge</u> : 200°F standard (glass lens), 150°F (plastic lens) <u>Gauge/Switch</u> : 176°F reed switch, 150°F (plastic lens)
Minimum temperature	-20°F
Calibration accuracy*	±2% of full scale ascending after rap at room temperature*
Calibration medium	Water at room temperature
Repeatability	±1% of full scale
Switches/relays	1 or 2 hermetically sealed reed switches (SPST: NO or NC, SPDT)
Switch adjustability	Upper 50% of full scale ascending
Switch dead band	5-20% Full Scale
Certification	N/A
Porting size	<u>2510</u> : ½" NPT(5-10 GPM) <u>2520</u> : 1" NPT(15-40 GPM) <u>2530</u> : 2" NPT(50-200 GPM)
Porting orientation	In-line
Direction of Flow	<u>STANDARD</u> : Left to right <u>OPTIONAL</u> : Right to Left (Reverse Flow)
Primary wetted parts	Aluminum, 316SS, Brass
Secondary wetted parts	<u>Range Spring</u> : 302SS <u>Magnet</u> : Ceramic
Static seals	Buna-N
Diaphragm	Buna-N
Lens	<u>STANDARD</u> : Glass <u>OPTIONAL</u> : Plastic
Dial sizes	3.5"
Dial case styles	"B" Basic Aluminum case
Dial Starting Mark	20% of full scale

* Calibration accuracy is affected by temperature.